



## **Defense Standardization Program Conference an update on**

### **ANSI Homeland Security Standards Panel (HSSP)**

**Presented by Dan Bart,  
ANSI-Homeland Security Standards Panel  
Private Sector Co-Chair  
March 17, 2004**

# Overview

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- **Quick overview of Department of Homeland Security and earlier activities related to Critical Infrastructure Protection**
- **Introduction to the American National Standards Institute**
- **Background: HS Standards Coordination Needed**
- **Homeland Security Standards Panel**
  - **Formation / Roles**
  - **Structure and Participation**
  - **2003 & 2004 activities**
  - **Contact for further information/participation**



# Need for a Public/Private Partnership

- ***"Government at the federal, state and local level must actively collaborate and partner with the private sector, which controls 85 percent of America's infrastructure. ... The Nation's infrastructure protection effort must harness the capabilities of the private sector to achieve a prudent level of security without hindering productivity, trade or economic growth."***

The President's  
National Strategy for Homeland Security, page 33



# History

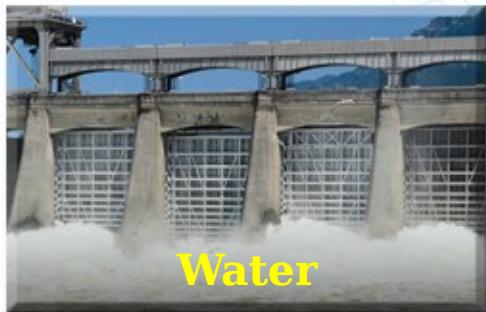
- **1982 National Coordination Center for Telecommunications / National Security Telecommunications Advisory Committee (NSTAC)**
- **1996 President's Commission on Critical Infrastructure Protection (PCCIP)**
  - Executive Order 13010
- **1998 Presidential Decision Directive 63 (PDD-63)**
  - Critical Infrastructure Assurance Office (CIAO)
  - National Infrastructure Protection Center (NIPC)
  - Office of National Coordinator
- **1999 Partnership for Critical Infrastructure Security (PCIS)**
- **2000 Financial Services Information Sharing and Analysis Center (ISAC); Telecom ISAC**
- **2001 IT-ISAC; Worldwide-ISAC; ES-ISAC; Special Advisor to the President for Cyberspace Security**
- **2002 Surface Transportation ISAC; Energy ISAC; more**
- **2003 Department of Homeland Security**



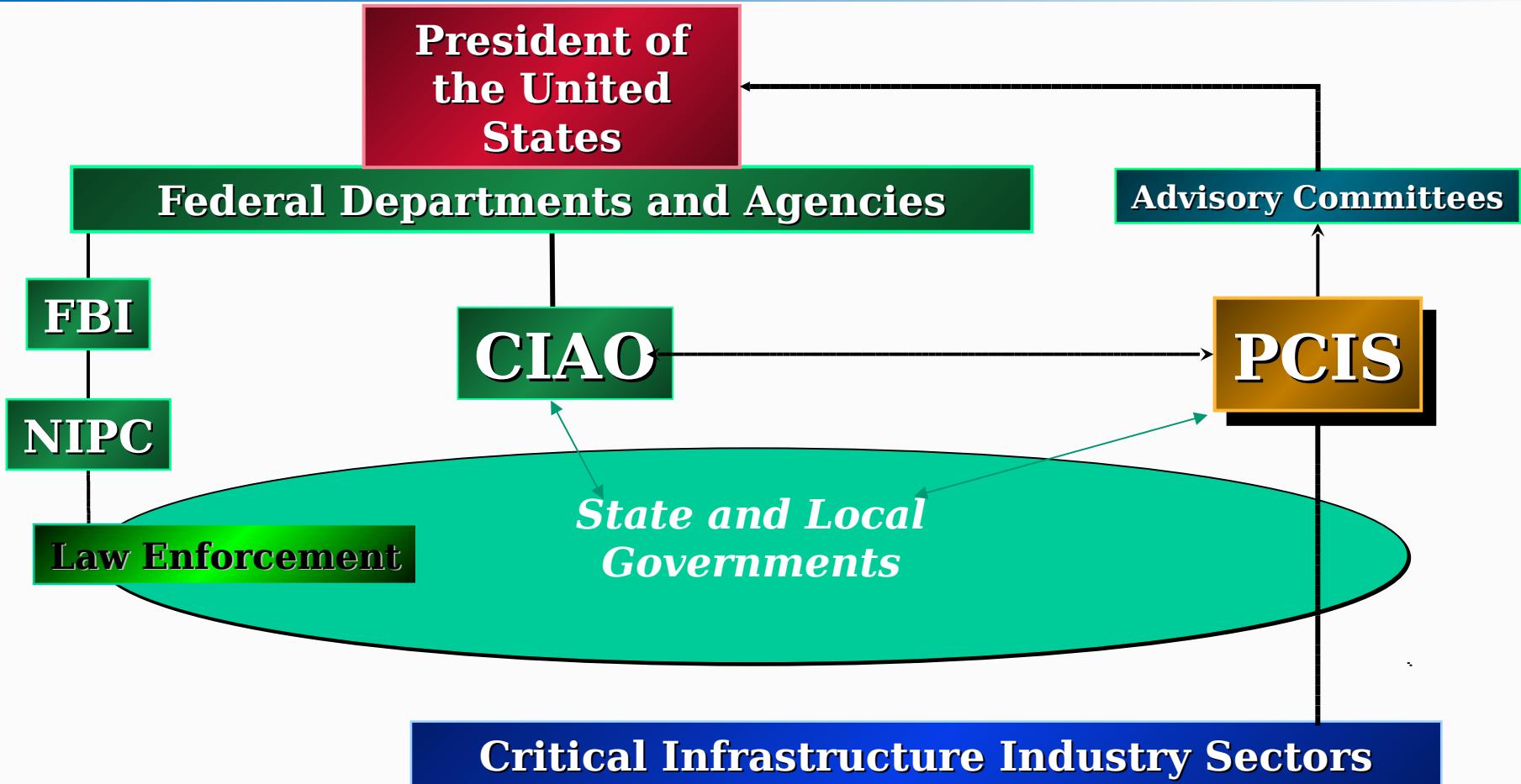
# Critical Infrastructures



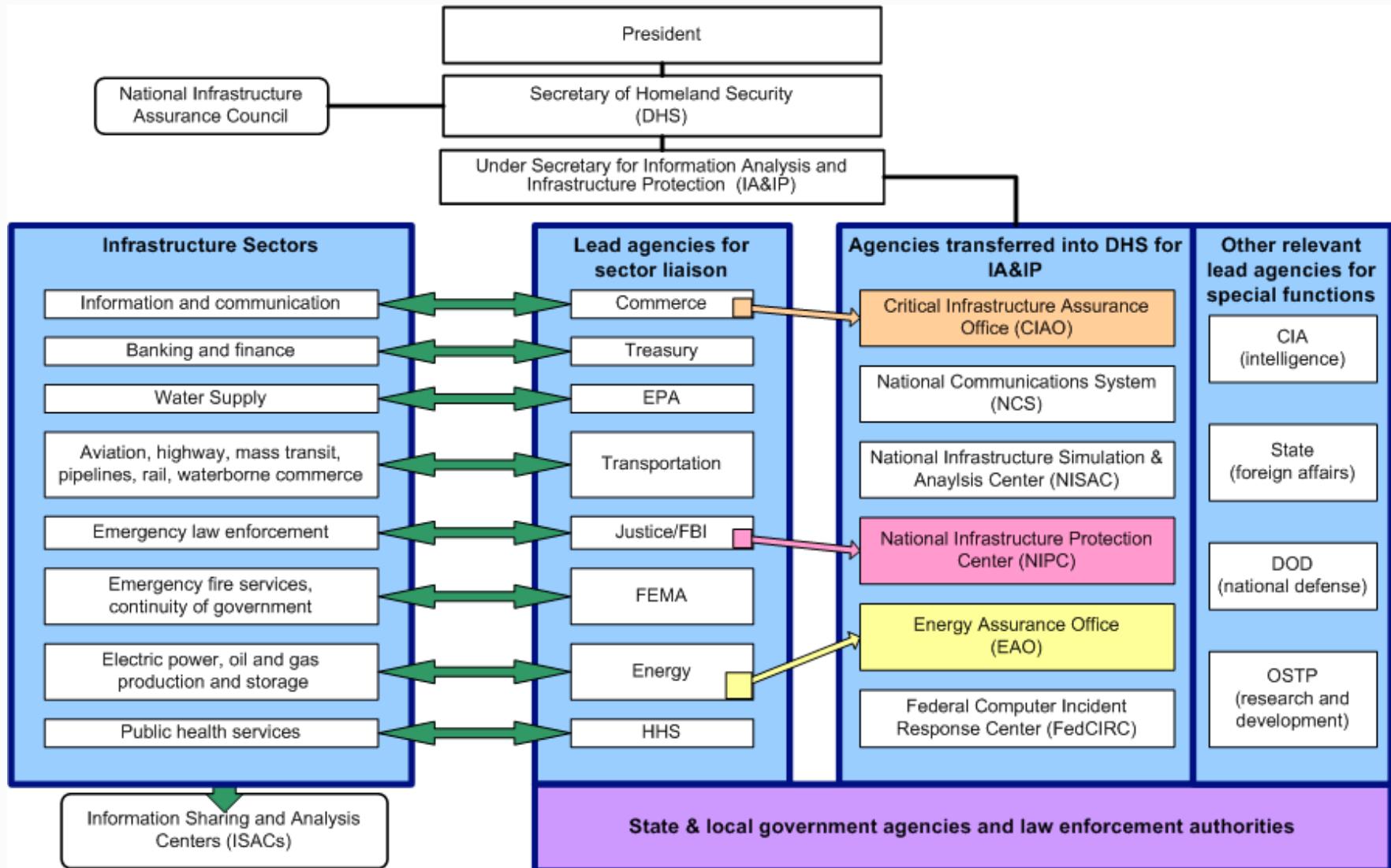
PDD-63  
Critical  
Infrastructure



# Pre-DHS PCIS Relationships



# CIP Relationship Transitions



# **Sectors and Key Asset Areas (2002)**

## **needing Protection** Government

- Agriculture
- Banking and Finance
- Chemical Industry and Hazardous Materials
- Defense Industrial Base
- Emergency Services
- Energy
- Information Technology
- Telecommunications
- Postal and Shipping
- Public Health
- Transportation
- Water
- National Monuments and Icons

*\* to be updated with DHS input  
as needed*



# Targets for Physical and Cyber Attacks and their Sector Lead

<b>Agriculture and Food Agency</b> USDA, HHS	<b>Water</b> EPA, (also Army Corps of Engineers)	<b>Public Health</b> HHS
<b>Emergency Services and Government</b> DHS All agencies continuity of operations	<b>Transportation</b> DHS	<b>Energy</b> DOE
<b>Information Technology and Telecommunications</b> DHS (including NCS)	<b>Chemical Industry and Hazardous Materials</b> EPA	<b>National Monuments and Icons</b> DOI
<b>Defense Industrial Base</b> DOD	<b>Postal and Shipping</b> DHS	<b>Banking and Finance</b> Dept of Treasury
<b>Commercial Assets</b>		

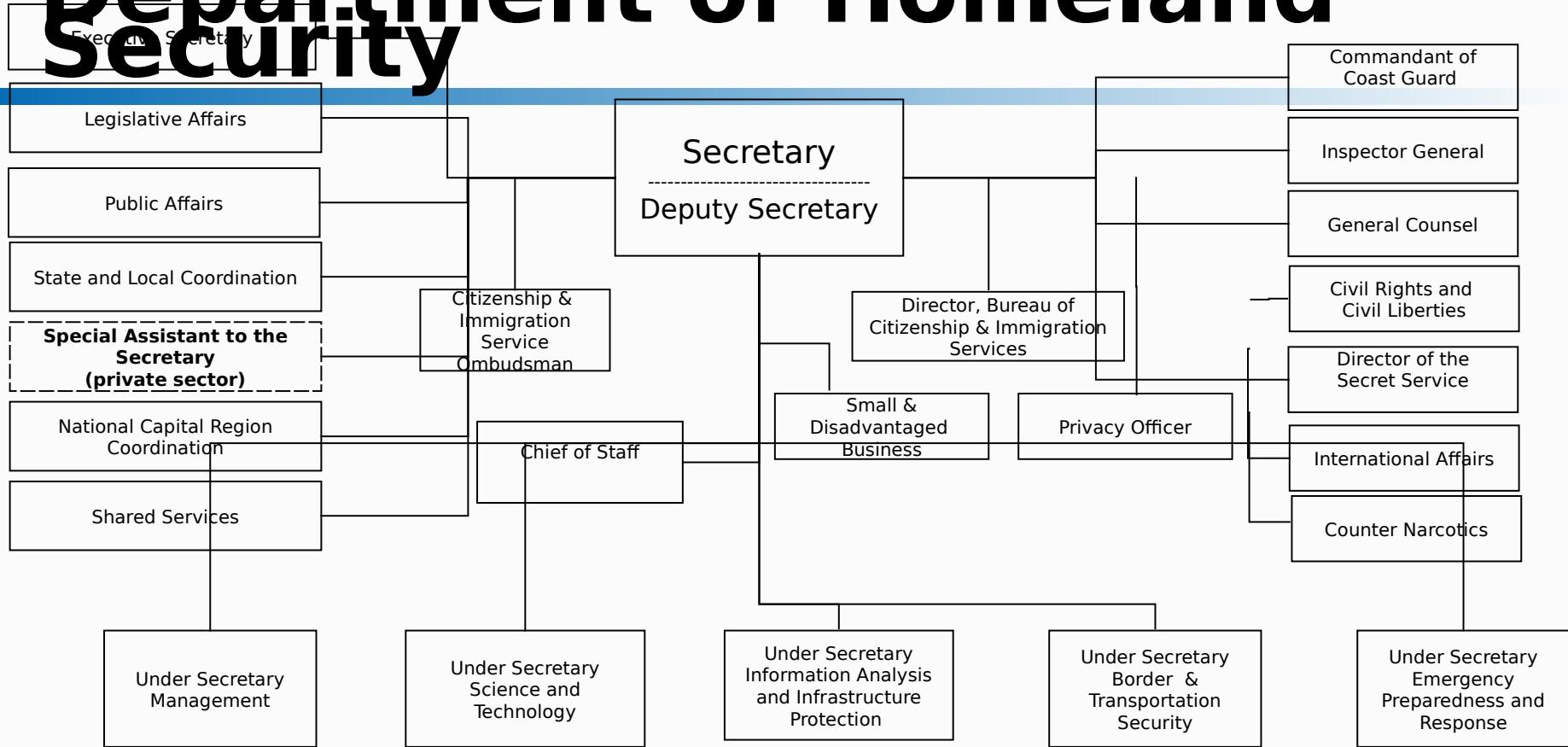


# Targets (from Strategic Plan)

<b>Agriculture and Food</b> 1,912,000 Farms, 87,000 Food Processing Plants	<b>Water</b> 1,800 federal reservoirs, 1,600 municipal waste water facilities, <b>80,000 dams</b>	<b>Public Health</b> 5,800 registered hospitals
<b>Emergency Services and Government</b> 87,000 U.S. localities, <b>3,000 government owned/operated facilities</b>	<b>Transportation</b> 5,000 public airports, 120,000 miles of major railroads, 590,000 highway bridges, 2 million miles of pipelines, 300 inland and coastal ports, 500 major urban transit operators	<b>Energy</b> 2,800 electric power plants, 300,000 producing oil and gas sites, <b>104 commercial nuclear power plants</b>
<b>Information Technology and Telecommunications</b> 2 billion miles of cable, 30,000 switches	<b>Chemical Industry and Hazardous Materials</b> 66,000 chemical plants	<b>National Monuments and Icons</b> <b>5,800 historic buildings</b>
<b>Defense Industrial Base</b> 250,000 firms in 215 industries	<b>Postal and Shipping</b> 137 million delivery sites	<b>Banking and Finance</b> 26,600 FDIC-insured institutions
<b>Commercial Assets</b> <b>460 Skyscrapers</b>		



# Department of Homeland Security



# What can ANSI do to help?



# Mission

**To enhance the global competitiveness of U.S. business and the American quality of life by promoting and facilitating voluntary consensus standards and conformity assessment systems and ensuring their integrity.**

**A Private- and Public-Sector Partnership Since**



# **A *Federation* of *members representing* . . .**

- Academia
- Individuals
- Government
- Manufacturing
- Trade Associations
- Professional Societies
- Service Organizations
- Standards Developers
- Consumer and Labor Interests
- and many more.

***Bringing the Private- & Public-Sectors Together Since 1918***

- **ANSI is . . .**

- **an “umbrella” organization for the U.S. voluntary consensus standards community**
- **a private-sector led and public-sector supported standards coordination body**
- **a not-for-profit organization**

- **ANSI is not . . .**

- **a standards developer**
- **a government agency**

- ANSI's roles and responsibilities are to:
  - accredit U.S. Standards Developers, U.S. Technical Advisory Groups and conformity assessment systems
  - ensure integrity of the U.S. voluntary consensus standards system
  - provide regional and international access
  - respond to urgent national priorities
  - offer a *neutral policy forum* for standards coordination issues

# Background: Standards Coordination Needed

- The *National Strategy for Homeland Security* (2002) identified the need for standards to support homeland security (HS) and emergency preparedness
  - Fourteen critical infrastructure areas were noted
- January 2, 2003 Report for Congress states: *“Neither the federal government, nor the nongovernmental sector presently has a comprehensive, consolidated program for developing new preparedness standards.”*



# Response: ANSI-HSSP

- **February 5, 2003: Formation of ANSI-HSSP announced**
- **Facilitate the development and enhancement of homeland security standards**
- **Serve as private/public sector forum for standards issues that cut cross-sector**
  - Co-chairs provided by industry and government
- **A forum for information sharing on HS standards issues**
- **Does not itself develop standards**
- **Not a “gatekeeper” for access to DHS or other agencies**



# ANSI-HSSP Structure

- **Lead by ANSI-HSSP Co-Chairs**
- **Interim Steering Committee**
  - **Comprised of Government Agencies, ANSI SDOs, non-ANSI SDOs, and Companies (ANSI members and non-ANSI)**
  - **Four At-Large Seats (Union, Consumer, Academia, State and Local)**
  - **ISC is a planning and sounding board - not a governing body**
  - **Total: 35-40 seats (plus 2 special advisors)**
- **Full Panel: Over 200 organizational participants**



# ANSI-HSSP - Participation

- **Participation on the HSSP is open to all affected interests (ANSI and non-ANSI members)**
  - **Federal, State and Local governments**
  - **Industry representatives**
  - **Trade Associations and Professional Societies**
  - **Standards Developers (ANSI and non-ANSI)**
  - **Fora/Consortia**
  - **Academia**
  - **Consumer interests**
  - **Union representatives**



# 2003 ANSI-HSSP Activities

- **Five Interim Steering Committee meetings**
- **ANSI-HSSP Plenary**
  - June 9-10 at NIST (nearly 200 attendees)
- **Workshop on Biometrics**
- **ANSI Annual Conference themed on Homeland Security**
  - **Panel sessions included biological and chemical threats, personnel certification, standards for first responders, product and equipment certification, and cyber security**
  - **Largest turnout for an ANSI conference**



# 2004 ANSI-HSSP Activities

- **Workshops on Private Sector Emergency Preparedness and Business Continuity**
- **Workshop on Biological and Chemical Threat Agents**
- **Workshop on Training Programs for First Responders**
- **ANSI-HSSP Plenary**
  - **April 29-30, 2004 in Falls Church, Virginia**
- **Further workshops anticipated for Q2 include Emergency Communications and Supply Chain Security**



# 2004 ANSI-HSSP Activities (cont.)

- Continue to work with the Department of Homeland Security (DHS) to address any of its standards needs
  - Outreach to other groups with HS standards needs
- Panel anticipated to play a role with the newly formed ISO Advisory Group on Security
- DHS Database project underway for HS standards



# Contact

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- For further information or questions, please visit the ANSI-HSSP website (<http://www.ansi.org/hssp>) or contact the ANSI-HSSP Secretary, Matt Deane (212-642-4992, [mdeane@ansi.org](mailto:mdeane@ansi.org))

